



C 200 - Complete Laboratory at Your Fingertips

HI 83200 is one of the most versatile photometers on the market. Just one meter measures up to 36 of the most important water quality parameters.

HI 83200, like other instruments in this series, runs for hours on common inexpensive 9V batteries. In addition, it can operate continuously with input voltage of 12-20 Vdc.

HI 83200 is also extremely simple to use. The front mask lists all the parameters in numerical order and the display shows the same numbers for a quick reference during testing.

The meter can be zeroed in seconds and the reagents cost much less than what you have been used to paying. All this and much more at a fraction of the cost of expensive and complex spectrophotometers!

A built-in RS232 port ensures that data can be downloaded to your PC for further study. Use our optional HI 92000 Windows® compatible software to get the most out of your meter.



Specifications

Light Source	4 tungsten lamps with narrow band interference filter 420/525/575/610 nm
Light Detector	4 Silicon Photocells
Power Supply	2 x 9V battery or 12 Vdc adapter
Auto-off	after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions / Weight	230 x 165 x 70 mm / 640 g

Ordering Information

HI 83200 is supplied complete with 3 cuvettes, bottle for D.O. test, batteries, 12 Vdc adapter and instructions.

Test	Range	Method	Reagent Code
Aluminum	0.00 to 1.00 mg/L	Aluminon	HI 93712-01
Ammonia MR	0.00 to 10.00 mg/L	Nessler	HI 93715-01
Ammonia LR	0.00 to 3.00 mg/L	Nessler	HI 93700-01
Bromine	0.00 to 8.00 mg/L	DPD	HI 93716-01
Chlorine Dioxide	0.00 to 2.00 mg/L	Chlorophenol Red	HI 93738-01
Chlorine*, Free	0.00 to 2.50 mg/L	DPD	HI 93701-01
Chlorine*, Total	0.00 to 3.50 mg/L	DPD	HI 93711-01
Chromium VI HR	0 to 1000 µg/L	Diphenylcarbohydrazide	HI 93723-01
Chromium VI LR	0 to 300 µg/L	Diphenylcarbohydrazide	HI 93749-01
Color	0 to 500 PCU	Platinum Cobalt	—
Copper HR	0.00 to 5.00 mg/L	Bicinchoninate	HI 93702-01
Copper LR	0 to 1000 µg/L	Bicinchoninate	HI 95747-01
Cyanide	0.000 to 0.200 mg/L	Pyridine-Pyrazolone	HI 93714-01
Cyanuric Acid	0 to 80 mg/L	Turbidimetric	HI 93722-01
Fluoride	0.00 to 2.00 mg/L	SPADNS	HI 93729-01
Hardness (calcium)	0.00 to 2.70 mg/L	Colmagite	HI 93720-01
Hardness (magnesium)	0.00 to 2.00 mg/L	EDTA	HI 93719-01
Hydrazine	0 to 400 µg/L	p-Dimethylaminobenzaldehyde	HI 93704-01
Iodine	0.0 to 12.5 mg/L	DPD	HI 93718-01
Iron HR	0.00 to 5.00 mg/L	Phenantroline	HI 93721-01
Iron LR	0 to 400 µg/L	TPTZ	HI 93746-01**
Manganese HR	0.0 to 20.0 mg/L	Periodate	HI 93709-01
Manganese LR	0 to 300 µg/L	PAN	HI 93748-01**
Molybdenum	0.0 to 40.0 mg/L	Mercaptoacetic Acid	HI 93730-01
Nickel HR	0.00 to 7.00 µg/L	Photometric	HI 93726-01
Nitrate	0.0 to 30.0 mg/L	Cadmium Reduction	HI 93728-01
Nitrite HR	0 to 150 mg/L	Ferrous Sulphate	HI 93708-01
Nitrite LR	0.00 to 0.35 mg/L	Diazotization	HI 93707-01
Oxygen, Dissolved (D.O.)	0.0 to 10.0 mg/L	Winkler	HI 93732-01
pH	6.5 to 8.5 pH	Phenol Red	HI 93710-01
Phosphate HR	0.0 to 30.0 mg/L	Amino Acid	HI 93717-01
Phosphate LR	0.00 to 2.50 mg/L	Ascorbic Acid	HI 93713-01
Phosphorus	0.0 to 15.0 mg/L	Amino Acid	HI 93706-01
Silica	0.00 to 2.00 mg/L	Heteropoly blue	HI 93705-01
Silver	0.000 to 1.000 mg/L	PAN	HI 93737-01**
Zinc	0.00 to 3.00 mg/L	Zincon	HI 93731-01

* For Chlorine, liquid reagents are available, see section V.
All reagents with -01 final code are for 100 tests.

** Reagents for 50 tests

For a comprehensive list of accessories, see sections U and V

HANNA
instruments

Photometers **K77**